

Technical Output of the ICWIM3 Conference

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Analysis/Evaluation of WIM Systems

- Advancements in Fiber Optic Use
- Status Reports of Various Technologies
 - Bridge
 - Quartz Piezo
 - Impact of the Environment on Operations

Site Characterizations

- Smoothness
- Assessment/Evaluation of Site Acceptability for WIM Measurement
- Implications on Data Accuracy

WIM Standards

- Metrological Standards for Weighing
 - Very tight tolerances for trade and enforcement
- ASTM 1318 – New and Improved
- General Recognition of the Need for International Standards

Calibration and Accuracy

- Improved Tools and Tests
- Impacts of Harsh Environments

Bridge WIM Systems

- Continued Advancements in the Technology Application

Enforcement

- Approaches for Use of WIM data for Enforcement – Screening
- Applications and Limitations
- Effective Use in Asia with Large Overloads
- Need to Educate Legal Entities in Applications and Capabilities

Application to Structural Design

- Load Restrictions
- Load Spectra – 2002 Design Guide
- Bridge Design – The Eurocode, and links between loading measurements and design.

Warranty Issues

- Use of WIM for Project Warranties

Freight Mobility

- Trends in Heavy Vehicle Movement

To The Future.....

- High Speed Enforcement
- International Standards
- Acceptable Accuracy Tolerance for Warranty Applications
- Data Management Tools
- NTCIP Standards
- ISWIM